

What is claimed is:

1. An information search system comprising:
  - an input receiving unit which receives a query to a database from a user, creates a user query for searching information from a database in accordance with the query of the user, and outputs the created user query;
  - 5 a query generating unit which receives the user query or a re-search query for re-searching information from a database, generates a database query for actually searching information from a database in accordance with the user query or the re-search query, and outputs the created database query;
  - a searching unit which executes a search of information in accordance with the
  - 10 database query, and outputs an information searching result;
  - an analyzing unit which analyzes the information searching result output by the searching unit and outputs an information analyzing result;
  - an output control unit which outputs the information analyzing result from the analyzing unit as output information, creates the re-search query by using the information
  - 15 analyzing result, and supplies the created re-search query to said query generating unit;
  - and
  - a condition setting unit which has an analyzing condition for analyzing the information searching result and an output condition for outputting the output information, supplies the analyzing condition to said analyzing unit, and supplies the output condition
  - 20 to said output control unit,
  - wherein said analyzing unit analyzes the information searching result in accordance with the analyzing condition from said condition setting unit; and
  - said output control unit outputs the output information in accordance with the output condition from said condition setting unit.
2. The information search system according to claim 1, further comprising an output setting unit which receives conditions, concerning an analyzing of the information

searching result and an output of the output information, from the user, and provides the received conditions to said condition setting unit,

- 5        wherein said condition setting unit holds the conditions from said output setting unit as the analyzing condition and the output condition.

3.        The information search system according to claim 2, further comprising a document searching unit which receives the output information output by said output control unit, searches a document related to the output information from database, and outputs a document searching result.

4.        The information search system according to claim 3, further comprising a second analyzing unit which receives the document searching result, analyzes the document searching result by extracting predetermined information from the document searching result, and outputs a document analyzing result.

5.        The information search system according to claim 4, further comprising a format changing unit which receives the document analyzing result, changes a format of the document analyzing result into a predetermined format, and outputs a document analyzing result whose format is changed.

6.        The information search system according to claim 5, further comprising a complementing unit which receives the output information output by said output control unit, and complements the output information with information concerning the output information.

7.        The information search system according to claim 6, wherein the information to be searched is biological information.

8.        An information search system comprising:

a second input receiving unit which receives a query to a database and a designation of information to be output, from a user, creates a user query for searching information from a database and a designation information representing the information to be output,

- 5        in accordance with the query and the designation of the user, and outputs the user query

and the designation information;

a search procedure setting unit which sets a search procedure in accordance with the user query and the designation information, and outputs a database query list representing the search procedure;

- 10 a search control unit which controls a search of information from the database and an analyzing of an information searching result, in accordance with the database query list and the user query, and outputs an information analyzing result as output information;

a searching unit which executes the search of information under control of said search control unit, and outputs the information searching result;

- 15 an analyzing unit which executes the analyzing of the information searching result under control of said search control unit, and outputs the information analyzing result to said search control unit;

a condition setting unit which has an analyzing condition for analyzing the information searching result, and supplies the analyzing condition to said analyzing unit,

- 20 wherein said analyzing unit executes the analyzing of the information searching result in accordance with the analyzing condition from said condition setting unit.

9. The information search system according to claim 8, further comprising a document searching unit which receives the output information output by said search control unit, searches a document related to the output information from a database, and outputs a document searching result.

10. The information search system according to claim 9, further comprising a second analyzing unit which receives the document searching result, analyzes the document searching result by extracting predetermined information from the document searching result, and outputs a document analyzing result.

11. The information search system according to claim 10, further comprising a format changing unit which receives the document analyzing result, changes a format of the document analyzing result into a predetermined format, and outputs a document

analyzing result whose format is changed.

12. The information search system according to claim 11, further comprising a complementing unit which receives the output information output by said search control unit, and complements the output information with information concerning the output information to the output information.

13. The information search system according to claim 12, wherein the information to be searched is biological information.

14. An information search method comprising the steps of:

receiving a query to a database from a user;

creating a user query for searching information from a database in accordance with the query of the user;

5       creating a database query for actually searching information from a database in accordance with the user query or a re-search query for re-searching information from a database;

executing a search of information in accordance with the database query;

analyzing an information searching result obtained by the search of information, in  
10       accordance with an analyzing condition for analyzing the information searching result;

creating the re-search query by using an information analyzing result which is obtained by analyzing the information searching result;

outputting the information analyzing result as output information, in accordance with an output condition for outputting the information analyzing result.

15. The information search method according to claim 14, further comprising the steps of: receiving conditions concerning an analyzing of the information searching result and an output of the output information, from the user; and holding the conditions as the analyzing condition and the output condition.

16. The information search method according to claim 15, wherein said outputting the output information includes outputting the output information every time

when the analyzing of the information searching result is executed.

17. The information search method according to claim 15, wherein said outputting the output information includes: holding the information analyzing result which is obtained by each analyzing of the information searching result; and outputting the held information analyzing results in one time, in a case where all re-searches are  
5 completed.

18. The information search method according to claim 15, further comprising the steps of: searching a document related to the output information from a document; and outputting a document searching result obtained by the searching.

19. The information search method according to claim 18, further comprising the steps of: analyzing the document searching result by extracting predetermined information from the document searching result; outputting a document analyzing result obtained by analyzing the document searching result.

20. The information search method according to claim 19, further comprising the steps of: changing a format of the document analyzing result into a predetermined format; and outputting a document analyzing result whose format is changed.

21. The information search method according to claim 20, further comprising the step of: complementing the output information with information concerning the output information.

22. The information search method according to claim 21, wherein the information to be searched is biological information.

23. An information search method comprising the steps of:  
receiving a query to a database and a designation of information to be output, from a  
user;

- 5 creating a user query for searching information from a database and a designation  
information representing the information to be output, in accordance with the query and  
the designation of the user;

- setting a search procedure in accordance with the user query and the designation information, thereby a database query list representing the search procedure is created;
- creating a database query for controlling a search of information from the database,
- 10 in accordance with the database query list and the user query;
- executing the search of information in accordance with the database query;
- analyzing an information searching result obtained by executing the search, in accordance with an analyzing condition for analyzing the information searching result;
- and
- 15 outputting an information analyzing result obtained by analyzing the information searching result, as output information, in accordance with an output condition for outputting the output information.
24. The information search method according to claim 23, further comprising the steps of: searching a document related to the output information from a database; and outputting a document searching result obtained by the searching.
25. The information search method according to claim 24, further comprising the steps of: analyzing the document searching result by extracting predetermined information from the document searching result; outputting a document analyzing result obtained by analyzing the document searching result.
26. The information search method according to claim 25, further comprising the steps of: changing a format of the document analyzing result into a predetermined format; and outputting a document analyzing result whose format is changed.
27. The information search method according to claim 26, further comprising the step of complementing the output information with information concerning the output information.
28. The information search method according to claim 27, wherein the information to be searched is biological information.